

ABSTRACT OF THE DISCLOSURE

Methods are disclosed for preparing hydrothermally-stable structurally-promoted refractory-oxide catalyst supports, which includes mixing precursors of the refractory oxide and of at least one structural promoter and calcining the mixture. The methods feature the incorporation of at least one structural promoter into the lattice of a refractory-oxide material such as alumina. The hydrothermally-stable structurally-promoted refractory-oxide catalyst supports are useful in hydrothermal catalytic processes such as Fischer-Tropsch reactions.